RADIO NAVIGATION

The Low Frequency Radio Compass consists of two AN/ARN-6 receivers and their associated AN/ARA-19 tuning drives and amplifiers. The No. 2 ADF is controlled from the pilot's pedestal only and its course information is presented on the No. 2 pointer of the navigator's R. M. I. and the No. 2 pointer of the pilot's and co-pilot's upper R. M. I. 's. The No. 1 ADF is controlled from both the pilot-s pedestal and the navigator's console. Its course information is presented on the No. 1 pointers of the pilot's and co-pilot's upper R. M. I. and the No. 1 pointer of the navigator's R. M. I. when the navigator's switch is in the ADF position.

The V. H. F. Navigation consists of the AN/ARN-14 receiver and power supply. The control panel is located on the pilot's control pedestal. The course deviation information is presented on the pilot's and co-pilot's deviation indicators and the course selector is in the pilot's deviation indicator, when the pilot's selector switch is in the V. H. F. position. The radio bearing computer-indicator is located in the navigator's instrument panel. Course information is presented on the No. 2 pointer of the pilot's and co-pilot's lower R. M. I. when the pilot's selector switch is in the V. H. F. position and on the navigator's No. 2 pointer when the navigator's selector switch is in the omni position and the pilot's selector switch is in the V. H. F. position.

The U. H. F. Navigation is the AN/ARN-21 transmitter-receiver. The control is located in the pilot's control pedestal. The course selection, deviation, and indication information is presented the same as for V. H. F. navigation except the pilot's selector switch must be in the U. H. F. position.

The U. H. F. Homing is the AN/ARA-25 amplifier and relay with the control located in the pilot's control pedestal. The course information is presented on the No. 1 pointers of the pilot's and co-pilot's R. M. I. 's.

The Glide Slope is the AN/ARN-18 receiver and its control is incorporated with the V. H. F. navigation set control in the pilot's control pedestal. Slope deviation information is presented on the horizontal pointer of all three deviation indicators.

The Marker Beacon is the AN/ARN-12 receiver with a high-low sensitivity switch provided at the pilot's pedestal and indicator lights as part of the deviation indicators.